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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Xiao, et al.

Serial No. 10/549,425

Filed: September 15, 2005

For: PROCESS FOR THE PREPARATION OF CHIRAL BETA AMINO ACID DERIVATIVES BY ASYMMETRIC HYDROGENATION

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Art Unit: _____

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Sir:

- In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention.
 In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).
- In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
- Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
- 4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK & CO., INC.

INFORMATION DISCLOSURE STATEMENT

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited

by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120

are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

	PLICATION	
U. S. SERIAL NUMBER	FILING DATE	MERCK CASE
If this is inconvenient, additional copies will be submitted upon reques	st.	
6. In accordance with 37 C.F.R. 1.97, (check one)		
the attached information is filed within three months of the filing da	ate of the captioned case.	
the attached information is filed more than three months after the Office Action on the merits.	filing date but prior to the r	mailing of a first
the attached information is filed before the mailing of a first Office examination under §1.114.	action after the filing of a	request for continued
the attached information is being filed more than three months after Office Action on the merits, but before the mailing date of a Final otherwise closes prosecution in the application. The enclosed aut Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(9)	Action, Notice of Allowance thorization is therefore give	e, or an action that
each item of information contained in this Information Disclosure from a foreign patent office in a counterpart foreign application no Statement.	Statement was first cited in t more than three months	n any communication prior to the filing of this
each item of information contained in the information disclosure s a foreign patent office in a counterpart application and this comm designated in §1.56(c) more than thirty days prior to the filing of the	unication was not received	l by any individual
no item of information contained in this Information Disclosure Staterieign patent office in a counterpart foreign application, and, to the after making reasonable inquiry, was known to any individual desimonths prior to the filing of this Statement.	e knowledge of the persor	n signing the certification
	Respectfully submitted,	D.#

Attorney For Applicant(s)

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Approved for use through 7/31/2006. OMB 0651-0031
SUBSTITUTE for PTO/SB/08A (07-05). Information Disclosure Statement by Applicant

				Patent and Trademark Office, U.S DEPARTMENT OF COMMERCE	
$\overline{}$	Substitute for form 1449A/PTO	0	COMPLETE IF KNOWN		
	INFORMATION I	DISCLOSURE	Application Number	10/549,425	
	STATEMENT BY		Filing Date	September 15, 2005	
			First Named Inventor	Xiao, et al.	
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Shee		of 2	Attorney Docket Number	21178YP	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
	1.	5,563,309		Togni, et al.	10/08/1996	
	2.	6,492,544		Krimmer, et al.	12/10/2002	
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Examiner Initials*	Cite No.	Office Number		Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
	5.	PCT	WO 03/004498		MERCK & CO., INC.	01/16/2003	
	6.	EPO	EP 1 103 536		Aventis Research & Technologies GmbH & Co. KG	05/30/2001	
	7.	EPO	EP 1 386 901		Takasago International Corporation	02/04/2004	
Examin Signatu	er		/Karl Puttlitz/		Date Considered	04/13/2008	

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	Substitute for form 1449B/PTO INFORMATION DISCLOSURE			Application Number	10/549,425	
	STATEMENT BY APPLICANT			Filing Date	September 15, 2005	
S				First Named Inventor	Xiao, et al.	
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	(use as many sheets as necessary)			Examiner Name		
Sheet	2	of	2	Attorney Docket Number	21178YP	

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.				
	8.	Zhu, et al., "Highly efficient Asymmetric Synthesis of 8-Amino Acid Derivatives via Rhodium-Catalyzed Hydrogenation of 8-(Acylamino)acrylates", J. Org. Chem, Vol. 64, pp. 6907-6910 (1999).				
	9.	Lubell, et al., "Enantioselective Synthesis of B-Amino Acids based in BINAP-Ruthenium(II) Catalyzed Hydrogenation", <i>Tetrahedron Asymmetry</i> , Vol. 2, No. 7, pp. 543-554 (1991).				
	10.	Hsiao, et al., "Highly Efficient Synthesis of 8-Amino Acid Derivatives via Asymmetric Hydrogenation of Unprotected Enamines", J. Am. Chem. Soc., Vol. 126, pp. 9918-9919 (2004).				
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Examiner Signature	/Karl Puttlitz/	Date Considered	04/13/2008